# Chapter 1 Review Name

**Pre-calculus** Period

Graph. Show at least 3 points that are on your graph.

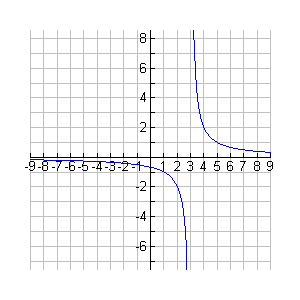
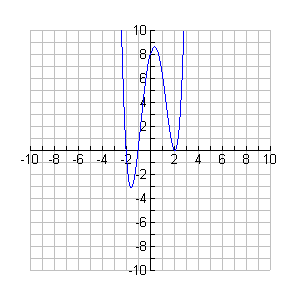
  



Sketch and label the asymptotes.

1. 

State the domain and the range.

10. y = 3x - 1 11. y = 2x2 - 12 12. 13.

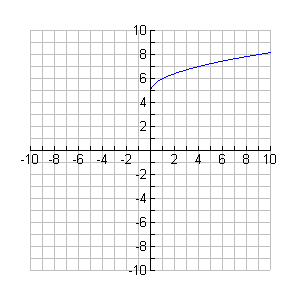
Perform the indicated operation. State the domain.

14. f(x) = 3x + 6; g(x) = 2x-3 Find (f-g)(x) 



Find the (x, y) for the value of the parameter.

18. x = -4t y = t2 – 2 for t = 2 19. x = 2t + 1 y = t + 2 for t = 0

Find the inverse of the following.

20.  21. y = -x + 2 22. Sketch the inverse

## [image]State whether the function is odd, even, or neither

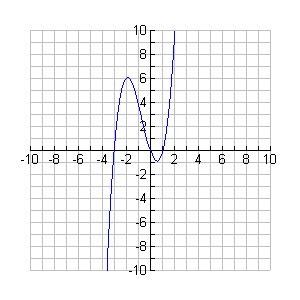
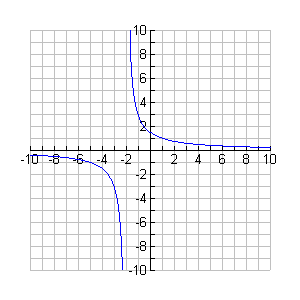
23. 24. 

Use an equation to solve the problem.

25. One positive number is three times another positive number. The sum of the two numbers is 648. Find the two numbers.

26. A playing field has area 3600 square feet. Its length is 120 ft. less than three times its width. Give the dimensions of the playing field.

Determine if the following is a one-to-one function.

27. 28.

Graph the function and identify intervals in which the function is increasing, decreasing or constant.



Use your calculators to solve the equations.

